

<b>Credits:</b>	4
<b>Meeting Time:</b>	10:10-12:05 Mondays and Wednesdays
<b>Meeting Place:</b>	TC - East Bank
<b>Instructor:</b>	Chap T. Le, Distinguished Professor of Biostatistics
<b>Office Address:</b>	A441 Mayo
<b>Office Phone:</b>	4-9963
<b>Fax:</b>	4-0660
<b>E-mail:</b>	chap@umn.edu
<b>Office Hours:</b>	1:15-2:15 Mondays and Wednesdays

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## I. Course Description

The course will cover standard topics in simple and multiple linear regression: models in matrix notation; diagnostics and remedies; ordinary and weighted least squares; model building; biomedical applications.

## II. Course Prerequisites

Graduate student in Biostatistics or related fields; at least one course in applied statistics; some background in calculus and matrix algebra, and some familiarity with SAS and/or other computer packages.

## III. Learning Objectives

To master the methods of recorelation and multiple regression in biostatistics and their applications

## IV. Methods of Instruction and Work Expectations

Instruction consists mostly of formal lectures plus one hour of lab on SAS computation

## V. Evaluation and Grading

There are two in-class exams, plus a group presentation. Grades: A=(90%-100%), B+=(86%-89%), B=(80%-85%), B-=(78%-79%), C+=(70%-77%), C(65%-70%), N=Below (65%)

Please note the following:

- If applicable, students may change grading options during the initial registration period or during the first two weeks of the term. **The grading option may not be changed after the second week of the term.**
- An incomplete grade is permitted only in cases of exceptional circumstances and following consultation with the instructor. In such cases an "I" grade will require a specific written agreement between the instructor and the student specifying the time and manner in which the student will complete the course requirements. Extension for completion of the work will not exceed one year.

## VI. Scholastic Dishonesty and Plagiarism

Students are responsible for knowing the University of Minnesota, Board of Regents' policy on student conduct and scholastic dishonesty:

<http://www1.umn.edu/regents/policies/academic/StudentConductCode.pdf>.

Scholastic dishonesty as defined in the policy and will be reported to the Office of Student Judicial Affairs: <http://www.sja.umn.edu/> and will result in a grade of "F" or "N" for the entire course.

Plagiarism is an important element of this policy. It is defined as the presentation of another's writing or ideas as your own. Serious, intentional plagiarism will result in a grade of "F" or "N" for the entire course. For more information on this policy and for a helpful discussion of preventing plagiarism, please consult University policies and procedures regarding academic integrity: <http://writing.umn.edu/tww/plagiarism/>.

Students are urged to be careful that they properly attribute and cite others' work in their own writing. For guidelines for correctly citing sources, go to <http://tutorial.lib.umn.edu/> and click on "Citing Sources".

In addition, original work is expected in this course. It is unacceptable to hand in assignments for this course for which you receive credit in another course unless by prior agreement with the instructor. Building on a line of work begun in another course or leading to a thesis, dissertation, or final project is acceptable.

If you have any questions, consult the instructor."

## VII. Course Withdrawal

School of Public Health students may withdraw from a course **through the second week** of the semester without permission. No "W" will appear on the transcript. **After the second week**, students are required to do the following:

- The student must contact and notify their advisor and course instructor informing them of the decision to withdraw from the course.
- The student must send an e-mail to the SPH Student Services Center (SSC) at [sph-ssc@umn.edu](mailto:sph-ssc@umn.edu). The email must provide the student name, ID#, course number, section number, semester, and year with instructions to withdraw the student from the course, and acknowledgement that the instructor and advisor have been contacted.
- The advisor and instructor must email the SSC acknowledging the student is canceling the course. All parties must be notified of the student's intent.
- The SSC will complete the process by withdrawing the student from the course after receiving all emails (student, advisor, and instructor). A "W" will be placed and remain on the student transcript for the course.
- After discussion with their advisor and notification to the instructor, students may withdraw up until the eighth week of the semester. There is no appeal process.

## VIII. Course Text and Readings

See Course's Web Page

## IX. Course Outline/Weekly Schedule

See Course's Web page

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have a documented disability (e.g., physical, learning, psychiatric, vision, hearing, or systemic) that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to contact Disability Services to have a confidential discussion of their individual needs for accommodations. Disability Services is located in Suite 180 McNamara Alumni Center, 200 Oak Street. Staff can be reached by calling 612/626-1333 (voice or TTY)."